LFS SMART BUS

CUTTING FUEL CONSUMPTION
LOWERING LIFE CYCLE COSTS
THAT'S SMART!

Nova Bus offers the LFS SMART BUS, a combination of options designed to optimize the energy efficiency of your public transit vehicle.

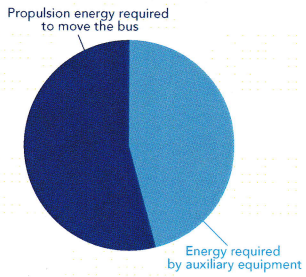
The centerpiece of the LFS SMART BUS is the Nova eCooling system - our proprietary electric engine cooling system engineered to minimize your vehicle life cycle costs. It improves fuel economy by up to 18%, reduces maintenance costs and greenhouse gas emissions.

To maximize the performance of your vehicle, we are taking the electrification of our bus components even further with the development of Electric Air Conditioning and Electric Power Steering options.

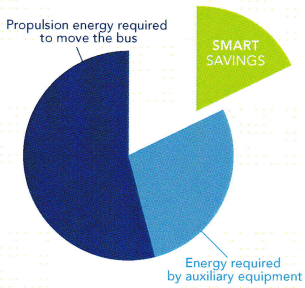
Your transit buses have never gone so many miles on a single tankful. THAT'S SMART!

NOVA BUS
Driven by your city

HOW LFS SMART BUS MAXIMIZES YOUR SAVINGS



Standard Diesel Bus
Energy Consumption

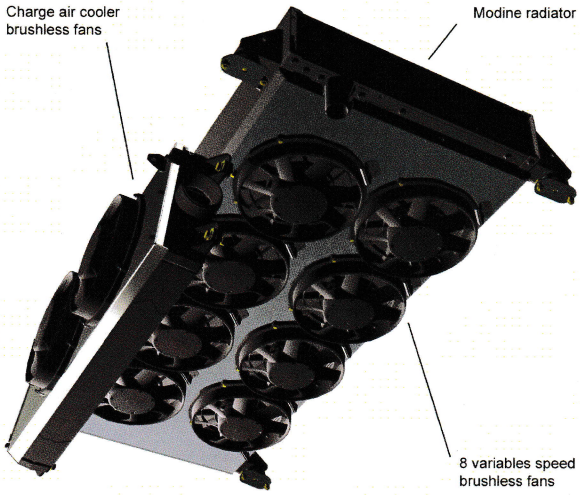


LFS SMART BUS
Energy Consumption

*Manhattan duty cycle

We reduced the energy demand from the auxiliary equipment to maximize your vehicle efficiency.

This energy economy can be converted into fuel savings. THAT'S SMART!



Meet cooling requirements in an ambient temperature in excess of 120°F

Research Center test results on the Nova eCooling System

DUTY CYCLE	FUEL SAVINGS
ORANGE COUNTY (Average speed 12 mph, maximum speed 41 mph, distance 6.5 miles)	13%
MANHATTAN (Average speed 7 mph, maximum speed 25 mph, distance 4 miles)	18%
URBAN DYNAMOMETER DRIVING SCHEDULE (UDDS) (Average speed 19.6 mph, distance 7.45 miles)	11%

Maintenance and operation benefits of the Nova eCooling System

- Cummins track tested and certified
- Factory installed for seamless integration in Nova LFS 40.0' and 62.0' buses
- Rear roof-top mounted positioning ensures mechanics have easy access to cooling system components and engine compartment
- Absence of a hydraulic fan drive oil cooler and manifold means reduced maintenance costs
- Stainless steel surge tank, located at the rear of the bus for easier maintenance access, is corrosion resistant and has an integrated level sensor for easy monitoring
- Variable-speed brushless fans are designed to last the life cycle of the bus
- Compatible with oil-cooled alternator
- Covered by Nova Bus warranty and service support

DEVELOPING NEW OPTIONS TO INCREASE YOUR SAVINGS THAT'S SMART!

Electric Air Conditioning System

Electric Power Steering

Images for illustration purposes only; may not reflect actual product.

* Buses specifications: Allison B400, Cummins ISL280 EPA2010, 40 ft Nova Bus LFS. Buses identical except for the cooling system.

1-800-350-6682 | novabus.com

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